TAKSTAR®

KORAOKE CONSOLE MX-620

USER MANUAL

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TAKSTAR®

GUANGDONG TAKSTAR ELECTRONIC CO., LTD.
Address: Longqiao Road Longxi Boluo Huizhou Guangdong China 516121
Tel: +86 752 6383644
Fax: +86 752 6383952
E-mail: sales@takstar.com
Website: www.takstar.com

Karaoke Console

MX-620

A new generation of network karaoke console MX-620
Integrates the function of mixer, sound card, effector and amplifier

Network Karaoke Console MX-620

Integrating mixer, sound card, effector and amplifier, the new generation of network karaoke console is specially designed for network karaoke recording. It is suitable for network karaoke, network hosting, speech, home entertainment, PC recording and music appreciation.

MX-620 Product Content

Karaoke console	1pc	USB 2.0 data cable	1pc	User manual	1pc

MX-620 Specification

Compatible System:	3-band EQ: HIGH: 12 kHz ± 15 dB
Window 98/2000/XP, WIN7, Vista	MID: 2.5 kHz ± 12.5 dB
Frequency Response: 20 Hz - 20 kHz	LOW: 80 Hz ± 15 dB
S/N: 110 dB(A^+)	USB Sample Rate: 24 bit 48 kHz sampling
Input Impedance: 1.5 KΩ balanced	Headphone Driving Power: ⩽ 1 W
Max. Gain: 50 dB	Rated Power: ⩽ 2.25 W
THD: ⩽ 0.005%	Power Supply: USB 5V / 500mA

Designed for Microsoft Windows98 · Windows 2000 · Windows xp Professional · Windows Vista · Windows 7

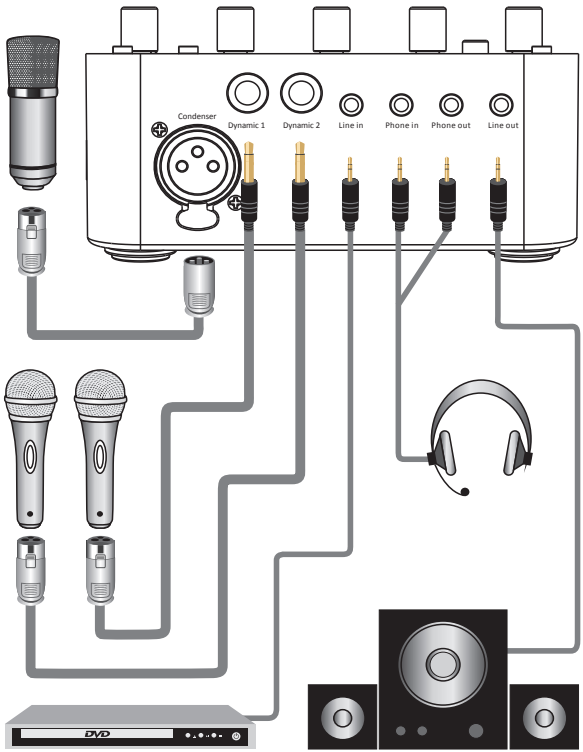
MX-620 Product Features

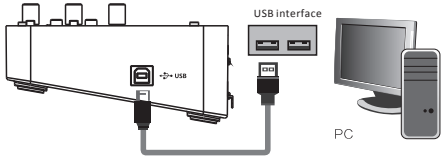
- Built-in imported DSP reverberation chip provides 100 optional effects
- Easy plug and play without driver installation, compatible with several operating systems such as WINDOWS XP, WINDOW 7
- USB interface, compatible with USB1.1, USB2.0, USB3.0
- One balanced input (compatible with dynamic and condenser microphones), two 6.3mm dynamic microphone input interfaces, one 3.5mm headset interface, one line input interface, one line output interface and one headphone interface
- Provides 48V phantom power supply for condenser microphone
- Microphone with 3-band EQ adjustment for changing the frequency response according to different sound ray
- 3.5mm line input and output interface for independent operation without PC, the console can be directly connected to sound source such as Mp3, iPhone, DVD etc, and output to the amplifier/audio equipments for live karaoke
- Background music can automatically fade out/in, suitable for network hosting and DJ
- Intuitive controlling panel for convenient operation
- Auto save function, the system will save the effect of last setting and when the console is turned on next time, it will be the same effect of last setting

MX-620 100 types of top effects

Item	Types of effects	Item	Types of effects
00~02	Small hall	59	Echo
03~05	Medium hall	60~65	Chorus
06~08	Large hall	66~69	Flanger
09	Church	70~73	Phase shift
10~12	Small room	74~79	Tonal modificaiton
13~15	Medium room	80~81	Echo + chorus
16~18	Large room	82~83	Echo + flanger
19	Auditorium	84~85	Echo + phase shift
20~26	Reverb plate	86~87	Echo + tonal mod
27~29	Reverb spring	88~89	Delay + echo
30~35	Reverb door	90	Delay + reverb door
36~39	Reversal reverb	91	Delay + reversal rev
40~43	Initial reflection	92~93	Delay + chorus
44~47	Atmosphere effects	94~95	Delay + flanger
48	Gymnasium	96~97	Delay + phase shift
49	Atmosphere effects FX	98~99	Delay + tonal mod
50~58	Delay		

Connection Sketch Map





MX-620 Interface

Item no.	Interface name	Interface specification	Application
1	condenser microphone	balanced female XLR socket	connect to condenser or dynamic microphone
2	dynamic microphone 1	6.3mm	connect to dynamic microphone
3	dynamic microphone 2	6.3mm	connect to dynamic microphone
4	line in	3.5mm	connect to external audio source
5	headset input	3.5mm	connect to headset
6	headphone output	3.5mm	connect to headphone
7	line output	3.5mm	connect to power amplifier
8	USB interface	USB2.0	connect to USB interface

Control Panel Function Illustration

MX-620 Function of Control Panel

Item	Module	Name	Description	Operation	Function
1	Display screen	Display screen	0-99 types of DSP effect digital display	——	——
2	Effect	Effect (PUSH)	DSP effect choices	Rotate clockwise or counterclockwise	When rotating, the screen will display corresponding DSP effect figure; when stop rotating, the figure will flicker
				Press down	When the figure is flickering, press the effect button for choosing the effect
		Strength	Adjust DSP effect depth	Rotate clockwise or counterclockwise	Increase or decrease the effect strength
		Monitor with effect and record without effect	Control the monitoring and recording effect	Press down	What you hear is the sound with effect and what you record is the sound without effect
				Bounce	Both what you hear and what you record is the sound with effect
3	Recording	Sum control	——	Press down	Only record the human voice, suitable for post-production
				Bounce	Record the music and human voice together, suitable for cover and network karaoke
		Microphone	Recording volume control	Rotate clockwise or counterclockwise	Increase/decrease the recording volume of microphone
		Sum	Music and human voice mixed recording volume control	Rotate clockwise or counterclockwise	Increase/decrease the mixed recording volume

Item	Module	Name	Description	Operation	Function
4	EQ	Treble	Treble effect control	Rotate clockwise or counterclockwise	Increase/decrease the strength of treble effect
		Mid	Mediant effect control	Rotate clockwise or counterclockwise	Increase/decrease the strength of mediant effect
		Bass	Bass effect control	Rotate clockwise or counterclockwise	Increase/decrease the strength of bass effect
5	Monitor	Computer waveform	Control the volume of computer music	Rotate clockwise or counterclockwise	Increase/decrease the volume of music
		Line in	Control the volume of external audio source	Rotate clockwise or counterclockwise	Increase/decrease the volume of external audio source
		Microphone	Control the volume of microphone monitoring	Rotate clockwise or counterclockwise	Increase/decrease the volume of microphone
		Main volume	Control the volume of main monitoring	Rotate clockwise or counterclockwise	Increase/decrease the volume of mixed playing
6	Operating mode	mode	Switching of hosting or singing mode	Press down	The music can fade in and out according to speaking. Suitable for network hosting and DJ
				Bounce	Normal singing mode
7	48V power supply	48V	48V phantom power switch	Press down	Press down when using the professional condenser microphone
				Bounce	Bounce when using the dynamic or handheld condenser microphone with built in battery

Operation Tips

A. How to do when the recording volume of microphone is too low but accompaniment is too loud?

Increase the monitoring main volume and monitoring computer waveform volume by about 50-70% and vice versa.

B. How to adjust when the volume is normal on local side, but small on the other side? How to adjust when the volume is small on local side, but normal on the other side?

Increase the recording sum volume by about 50% to increase the volume on the other side; increase the monitoring main volume by about 50%-70% to increase the volume on local side.

C. How to make sure the music can only be heard on local side?

Press the recording sum control button, then on the other side only the microphone sound can be heard and vice versa. This function is also suitable for post-production.

D. How to adjust the equalizer?

Generally, the treble, mediant, bass of equalizer is set at a position of 12-14 o'clock, which depend on different voice condition and microphone features; when the treble and bass is set at the minimum and mediant is set at the maximum, the sound effect is near to the telephone voice effect.

E. What effect and volume is suitable for karaoke?

The type of 16-18 effect is large room effect. It is suitable for karaoke. The effect strength should be adjusted to about 30%-50%. The console offers 100 optional effects; you can adjust according to personal interest.

F. What is listening with effect and recording without effect? When this function will be used?

What you hear is the sound with effect; what you record and transfer to the other side of the network is the sound without effect. This function can be used for professional recording or karaoke score test.

G. Can we use the console for family karaoke without computer but DVD, power amplifier and audio system?

Yes. The console has line in/out interface and was supplied by 5V/1A USB interface power adaptor. Connect the DVD palyer to line in interface and connect the power amplifier to line out interface, and then connect the power amplifier to the audio system.

H. How to turn off quickly when you don't want your voice to be heard on the other side of the network?

Turn the recording sum volume to the minimum when it is bounced; turn the microphone volume to the minimum when the recording sum button is pressed down.

I. How to adjust when the recorded reverberation sounds is not full?

Increase the monitoring microphone volume, usually to about 30%-50%. It depends on personal requirement.

J. Why the music can't be heard when the main volume and computer waveform is normally turned on?

Please check if the small speaker on the right corner of the computer is in mute state, if yes, turn on the speaker.

K. Why the voice can't be recorded into the computer when the recording sum control is normally turned on?

Please check if the recording microphone option of small speaker on the right corner of the computer is in mute state, if yes, turn on microphone option

Caution

⚠ WARNING

- Press 48V power supply button when using professional condenser. If there is no sound, please check if 48V power supply indicator is light or the monitoring master volume or microphone volume is turned on. Otherwise, there may be something wrong with the sound card power supply. Please repair it in time.
- Turn down the monitor master volume to the minimum before plug in or out the microphone to avoid the sound equipment being damaged.
- Turn down the effect strength and monitoring microphone to the minimum volume when play the recorded voice.
- When the console is working and powered by the supplied adaptor, if you would like to connect the console with computer directly, please wait for five minutes after the adaptor is plugged out.

⚠ WARNING

- Do not dismantle or change the inner construction of MX-620 network karaoke console by yourself lest trouble occur.
- Turn off 48V phantom power supply if the console is connected with dynamic microphone or handheld microphone with built-in battery to avoid the microphone being burnt.